

MODELS: Rankin, Porterfield 35W and 75-C, 2 PCLM

T.C. NUMBER: 611

I - SPECIFICATIONS PERTINENT TO ALL MODELS:

No. passengers	1 (+11) or (+41) (See NOTE 3)
Standard weight	1326 lbs.
Specification basis	Type Certificate No. 611 (Aero. Bulletin 7A requirements)

EQUIPMENT: (Datum is wing leading edge) (* Means net increase)

Class I:		<u>35W</u>	<u>75-C</u>
101.	Engine speed ring (See NOTE 2)	9 lbs.	--
102.	Wheels		
	(a) 18x8-3 (Goodyear 3LMBM) with brakes and tires	33 lbs. (-8)	--
	(b) 6.00-6 (Shinn 6C5HB) with brakes and 4-ply tires (wheels must be placarded for these tires)	--	32 lbs. (-7)
103.	Tail skid	3 lbs.	--
104.	Propeller - fixed pitch wood (with hub)	20 lbs.	15 lbs. (-55)
105.	Two exhaust manifolds and carburetor heater	--	11 lbs. (-42)

106.	6x2.00 steerable tail wheel with special spring	--	10 lbs. (+176)
107.	Oil radiator (Continental)	--	6 lbs. (-46)

Class II:

200.	Miscellaneous items as noted in approved weight and balance report.		
201.	Combined exhaust collector and speed ring (See NOTE 2)	X	--
202.	Propeller, fixed or adjustable metal (See NOTE 2)	29 lbs.	--
203.	Wheel streamlines		
	(a) For 18x8-3 wheels	14 lbs. (-7)	--
	(b) For 6.00-6 wheels	12 lbs. (-7)	--
204.	6.00-6 wheels (Shinn 6C5HB) with brakes and 6.00-6 4-ply tires (wheels must be placarded for these tires)	Net decrease 3 lbs. (-8)	--
205.	Battery installation in engine compartment	--	31 lbs. (-30)
206.	Generator, wind-driven under fuselage (Air Assoc. GE-20)	--	7 lbs. (-8)

Class III:

301.	Emergency exit	No weight change	2 lbs. (+19)
302.	Outside baggage door	No weight change	--
303.	Miscellaneous extra instruments	--	7 lbs. (+1)
304.	Tail wheels		
	(a) 4 inch diameter solid rubber	No weight change	--
	(b) 3-1/2 inch diameter solid rubber, castoring	No weight change	--
	(c) 6x2.00 wheel assembly, castoring	1 lb. * (+189)	--
305.	Carpet	--	2 lbs. (+7)
306.	Engine primer	--	1 lb. (-8)
307.	Cabin heater	--	2 lbs. (-39)
308.	Wheel streamlines	--	10 lbs. (-5)
309.	Landing light (left wing)	--	4 lbs. (+17)
310.	Dash light	--	1 lb. (+1)
311.	Parking brake	--	1 lb. (0)
312.	Propeller - Adj. pitch wood - Freedman Burnham PC-203 hub, P-216A blades	--	14 lbs. (-55)

NOTE 1. Eligible for export as follows, subject to inspection for equipment specified in Chapter XII of Inspection Handbook:

- (a) Canada - Landplane
- Skiplane - not eligible.
- (b) All other countries except New Zealand.

NOTE 2. Model 35W eligible without engine speed ring provided C.G. check is made. Item 202 cannot be installed with engine speed ring (item 101 or part of item 201).

NOTE 3. On serials 650, 1651 and up, Model 75-C, the following placard is required unless otherwise substantiated by weight and balance report:
"Solo from front seat only."

II - MODEL 35W:

Engine	Warner Scarab Jr.
Engine limits	For all operations - 2025 rpm (90 hp)
Propeller	Maximum permissible diameter 80 inches
Airspeed limits	Level flight or climb - 105 mph True Ind.
	Glide or dive - 160 mph True Ind.
Fuel capacity	18 gallons (one tank in fuselage) (-10)
Oil capacity	3 gallons (-23)
Baggage	30 lbs. (aft of rear seat) (+73)
C.G. limits	(+6.3) and (+13.9)
Serial Numbers	301 and up manufactured prior to 1/8/46 eligible.
	Approval expired as of that date.

III - Model 75-C:

Engine	Continental A-75-8
Engine limits	For all operations - 2600 rpm (75 hp)
Propeller	Static rpm at maximum permissible throttle setting
	- Not more than 2350
	- Not less than 2350.

	Diameter
	- Not more than 83 inches
	- Not less than 68 inches.
Airspeed limits	Level flight or climb - 105 mph True Ind.
	Glide or dive - 150 mph True Ind.
Fuel capacity	18 gallons (-15)
Oil capacity	1 gallon (-37)
Baggage	40 lbs. (+73)
C.G. limits	(+8.1) and (+16.8)
Leveling means	Use lower side of center section cross tube at rear spar and special 1/4 inch tube at left front bulkhead.
Serial Numbers	650, 1651 and up manufactured prior to 1/8/46 eligible. Approval expired as of that date.